

## Electronic Patent Application Fee Transmittal

| <b>Application Number:</b>                     | 10779825                         |          |        |                      |
|--|----------------------------------|----------|--------|----------------------|
| <b>Filing Date:</b>                            | 17-Feb-2004                      |          |        |                      |
| <b>Title of Invention:</b>                     | Zero excess bandwidth modulation |          |        |                      |
| <b>First Named Inventor/Applicant Name:</b>    | Gottfried Ungerboeck             |          |        |                      |
| <b>Filer:</b>                                  | Shayne X. Short                  |          |        |                      |
| <b>Attorney Docket Number:</b>                 | BP2431                           |          |        |                      |
| Filed as Large Entity                          |                                  |          |        |                      |
| <b>Utility under 35 USC 111(a) Filing Fees</b> |                                  |          |        |                      |
| Description                                    | Fee Code                         | Quantity | Amount | Sub-Total in USD(\$) |
| <b>Basic Filing:</b>                           |                                  |          |        |                      |
| <b>Pages:</b>                                  |                                  |          |        |                      |
| <b>Claims:</b>                                 |                                  |          |        |                      |
| Claims in excess of 20                         | 1202                             | 4        | 52     | 208                  |
| <b>Miscellaneous-Filing:</b>                   |                                  |          |        |                      |
| <b>Petition:</b>                               |                                  |          |        |                      |
| <b>Patent-Appeals-and-Interference:</b>        |                                  |          |        |                      |
| <b>Post-Allowance-and-Post-Issuance:</b>       |                                  |          |        |                      |
| <b>Extension-of-Time:</b>                      |                                  |          |        |                      |

| Description       | Fee Code | Quantity | Amount | Sub-Total in USD(\$) |
|-------------------|----------|----------|--------|----------------------|
| Miscellaneous:    |          |          |        |                      |
| Total in USD (\$) |          |          |        | 208                  |